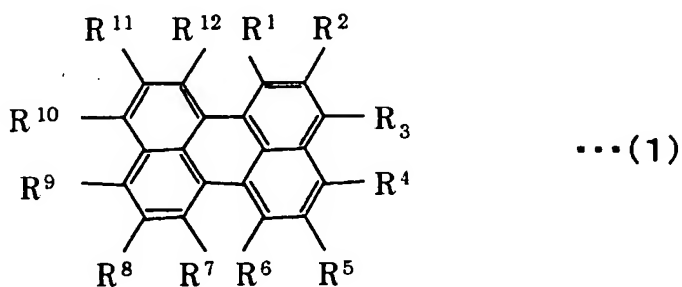


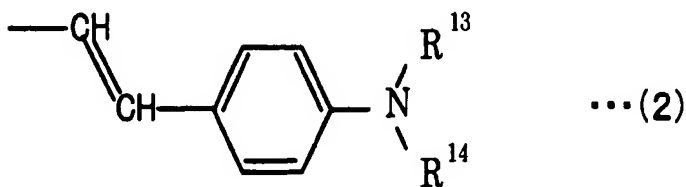
**AMENDMENTS TO THE CLAIMS**

The listing of claims below replaces all prior versions of claims in the application.

1. (Currently Amended): A fluorescent material comprising either one or both of a perylene compound represented by formula (1) below and an anthanthrene compound represented by formula (101) below:

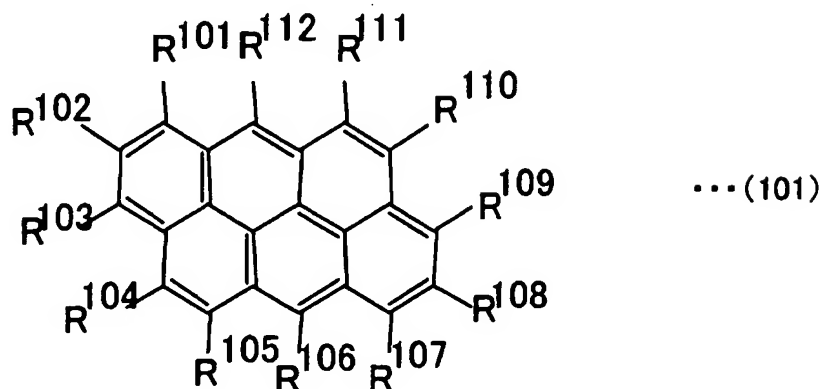


(in formula (1), two or more of  $R^{1-12}$ , each, have a structure represented by formula (2) below, with the rest being hydrogen),

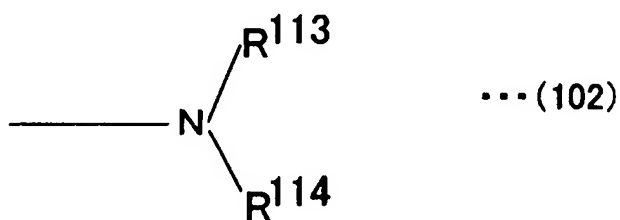


(in formula (2),  $R^{13}$  and  $R^{14}$  are, independently from each other, an aromatic group that may be substituted, or an aliphatic group that may be substituted, wherein  $R^{13}$  and  $R^{14}$  may be bonded with

each other, directly or via a bonding group), and



(in formula (101), four ~~or more~~ of  $R^{101-112}$ , each, have a structure represented by formula (102) below, with the rest being hydrogen),



(in formula (102),  $R^{113}$  and  $R^{114}$  are, independently from each other, ~~an aromatic group that may be substituted, or an aliphatic group that may be substituted~~ a phenyl or naphthyl group that has a substituent group selected from the class consisting of an aryl group, an alkoxy group, an aryloxy group, a dialkylamino group and a diarylamino group, and the substituent group may also be substituted, wherein  $R^{113}$  and  $R^{114}$  may be bonded with each other, directly or via a bonding group).

2. (Original): A fluorescent material according to claim 1, wherein two of said  $R^{1-12}$  has a

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structure represented by formula (2), with the rest being hydrogen.

3. (Cancelled)

4. (Currently Amended): A fluorescent material according claim ~~[[3]]~~ 2, wherein said R<sup>13</sup> and R<sup>14</sup> are, independently from each other, a phenyl or naphthyl group that may be substituted.

5. (Currently Amended): A fluorescent material according to claim 4, wherein said phenyl group or naphthyl group, of R<sup>13</sup> and R<sup>14</sup>, has a substituent group selected from the class consisting of an alkyl group, an aryl group, an alkoxy group, an aryloxy group, a dialkylamino group and a diarylamino group, and the substituent group may also be substituted.

6. (Cancelled)

7. (Cancelled)

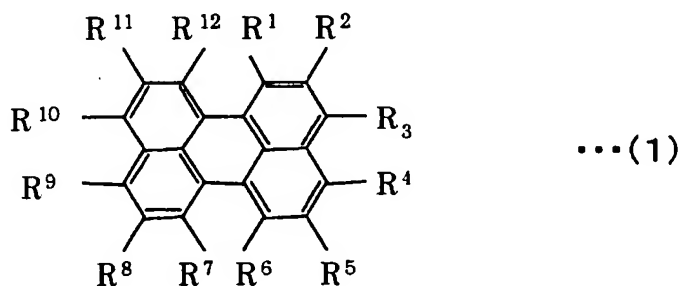
8. (Currently Amended): A fluorescent material according to claim ~~[[6]]~~ 4 for use as an organic light-emitting layer forming material for an organic electroluminescent element.

9. (Original): A fluorescent material according to claim 8 for use as an organic light-emitting layer forming material in the capacity of a host or a guest for an organic electroluminescent element.

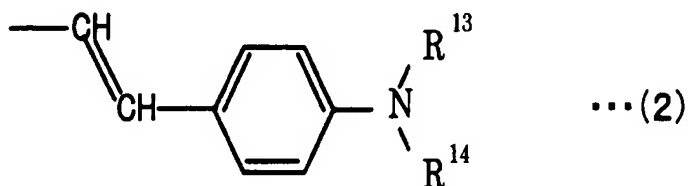
10. (Currently Amended): An organic electroluminescent element having an organic light-

emitting layer between an anode and a cathode, said organic light-emitting layer comprising a fluorescent material according to one of claims 1, 2, 4 and 5 [[to 7]].

11. (Original): An organic electroluminescent element having an organic light-emitting layer between an anode and a cathode, said organic light-emitting layer using a perylene compound represented by formula (1) below as a fluorescent material:



(in formula (1), two of  $R^{1-12}$ , each, have a structure represented by formula (2) below, with the rest being hydrogen),



(in formula (2),  $R^{13}$  and  $R^{14}$  are, independently from each other, an aromatic group that may be substituted, or an aliphatic group that may be substituted, wherein  $R^{13}$  and  $R^{14}$  may be bonded with

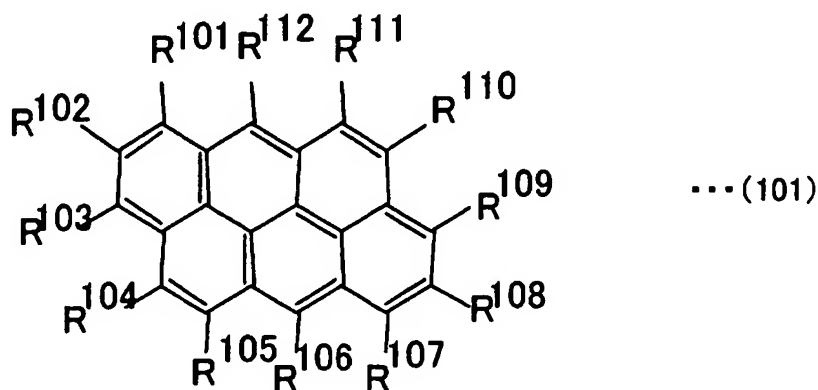
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each other, directly or via a bonding group).

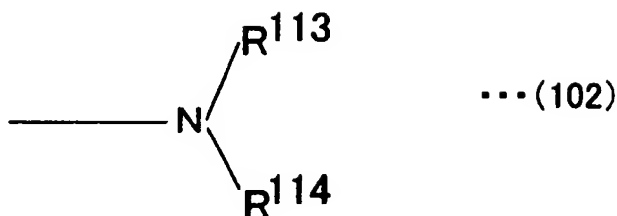
12. (Original): An organic electroluminescent element according to claim 11, wherein said  $R^{13}$  and  $R^{14}$  are, independently from each other, a phenyl or naphthyl group that may be substituted.

13. (Original): An organic electroluminescent element according to claim 12, wherein, said phenyl group or naphthyl group has a substituent group selected from the class consisting of an alkyl group, an aryl group, an alkoxy group, an aryloxy group, a dialkylamino group and a diarylamino group, and the substituent group may also be substituted.

14. (Original): An organic electroluminescent element having an organic light-emitting layer between an anode and a cathode, said organic light-emitting layer using an anthanthrene compound represented by formula (101) below as a fluorescent material:



(in formula (101), four of  $R^{101-112}$ , each, have a structure represented by formula (102) below, with the rest being hydrogen),



(in formula (102), R<sup>113</sup> and R<sup>114</sup> are, independently from each other, an aromatic group that may be substituted, or an aliphatic group that may be substituted, wherein R<sup>113</sup> and R<sup>114</sup> may be bonded with each other, directly or via a bonding group).

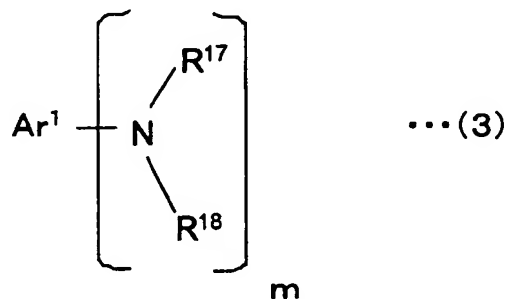
15. (Original): An organic electroluminescent element according to claim 14, wherein said R<sup>113</sup> and R<sup>114</sup> are, independently from each other, a phenyl or naphthyl group that may be substituted.

16. (Original): An organic electroluminescent element according to claim 15, wherein said phenyl group or naphthyl group has a substituent group selected from the class consisting of an alkyl group, an aryl group, an alkoxy group, an aryloxy group, a dialkylamino group and a diarylamino group, and the substituent group may also be substituted.

17. (Original): An organic electroluminescent element according to claim 10, wherein said fluorescent material is an organic light-emitting layer forming material in the capacity of a host or a guest.

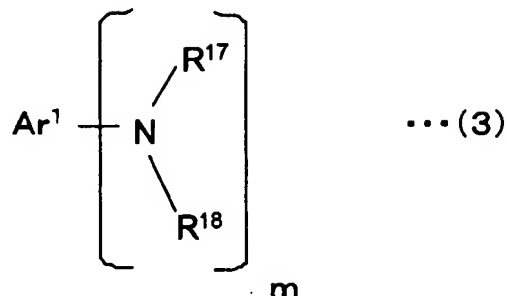
18. (Original): An organic electroluminescent element according to one of claims 11 to 16, wherein said fluorescent material is an organic light-emitting layer forming material in the capacity of a host or a guest.

19. (Original): An organic electroluminescent element according to claim 10, wherein said organic light-emitting layer comprises a mixture of said fluorescent material and an aromatic amine compound represented by formula (3) below as an organic light-emitting layer forming material:



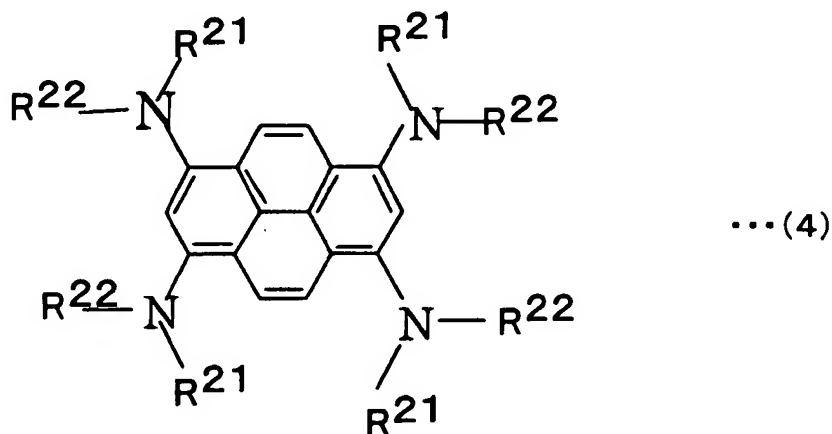
(in formula (102),  $\text{R}^{113}$  and  $\text{R}^{114}$  are, independently from each other, an aromatic group that may be substituted, or an aliphatic group that may be substituted, wherein  $\text{R}^{113}$  and  $\text{R}^{114}$  may be bonded with each other, directly or via a bonding group).

20. (Previously Presented): An organic electroluminescent element according to one of claims 11 to 16, wherein said organic light-emitting layer comprises a mixture of said fluorescent material and an aromatic amine compound represented by formula (3) below as an organic light-emitting layer forming material:



(wherein Ar<sup>1</sup> is an aromatic group with a bonding valency of 2, 3 or 4 that may be substituted; R<sup>17</sup> and R<sup>18</sup> are, independently from each other, a monovalent aromatic group that may be substituted; and m is an integer of 2-4).

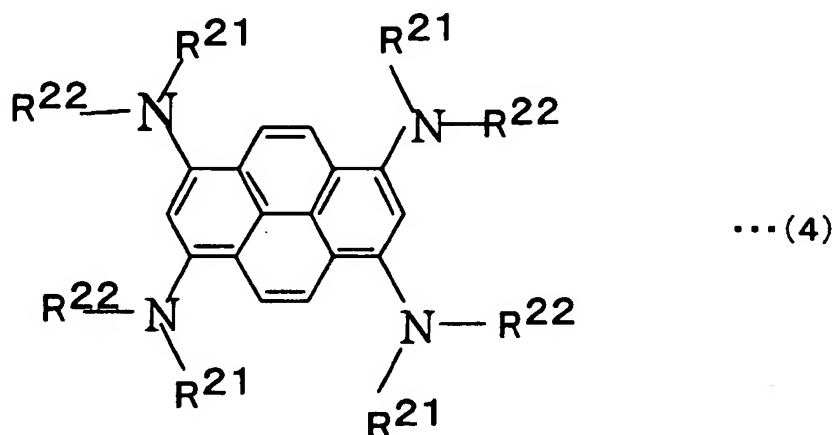
21. (Original): An organic electroluminescent element according to claim 19, wherein said aromatic amine compound represented by formula (3) is a tetra(diarylamino)-substituted pyrene represented by formula (4) below:





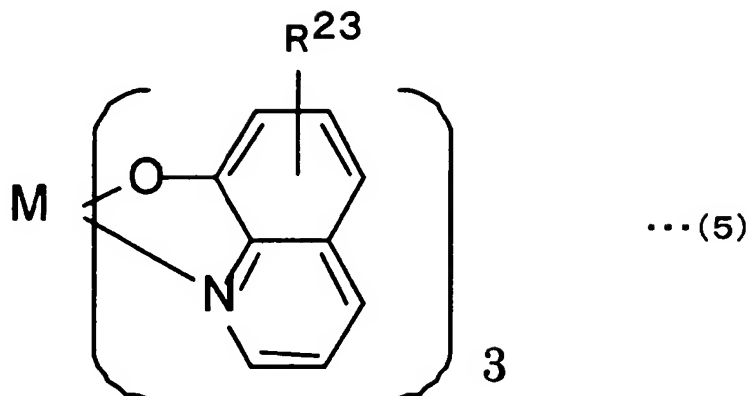
(wherein  $R^{21}$  and  $R^{22}$  are, independently from each other, a monovalent aromatic group).

22. (Original): An organic electroluminescent element according to claim 20, wherein said aromatic amine compound represented by formula (3) is a tetra(diarylamino)-substituted pyrene represented by formula (4) below:



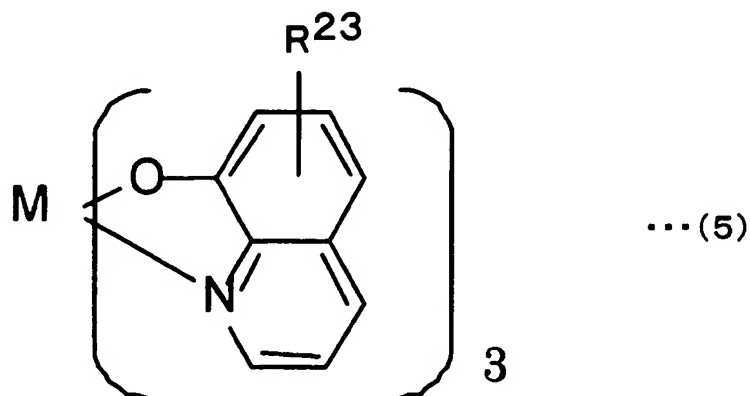
(wherein  $R^{21}$  and  $R^{22}$  are, independently from each other, a monovalent aromatic group).

23. (Original): An organic electroluminescent element according to claim 10, wherein said organic light-emitting layer comprises, as an organic light-emitting layer forming material, a mixture of said fluorescent material and a hydroxyquinoline complex represented by formula (5) below:



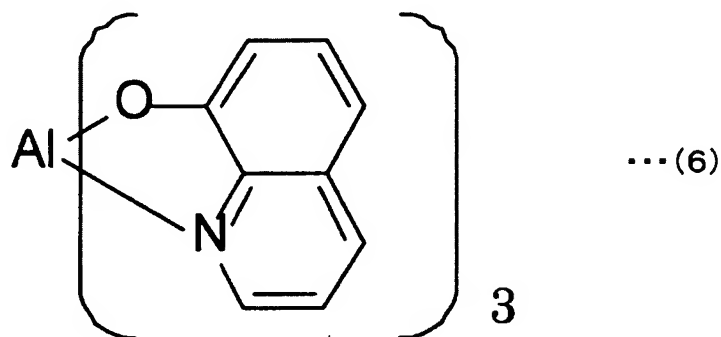
(wherein R<sup>23</sup> is hydrogen or an alkyl group that may be substituted; and M is a metal having a valency of 3).

24. (Previously Presented): An organic electroluminescent element according to one of claims 11-16, wherein said organic light-emitting layer comprises, as an organic light-emitting layer forming material, a mixture of said fluorescent material and a hydroxyquinoline complex represented by formula (5) below:

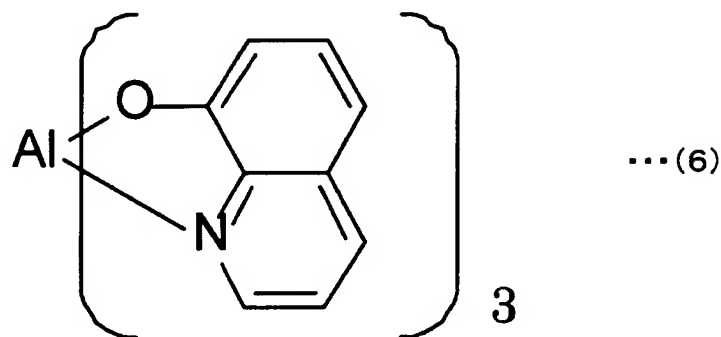


(wherein  $R^{23}$  is hydrogen or an alkyl group that may be substituted; and M is a metal having a valency of 3).

25. (Original): An organic electroluminescent element according to claim 23, wherein said hydroxyquinoline complex is an aluminum hydroxyquinoline complex represented by formula (6) below:



26. (Original): An organic electroluminescent element according to claim 24, wherein said hydroxyquinoline complex is an aluminum hydroxyquinoline complex represented by formula (6) below:



27. (Original): An organic electroluminescent element according to claim 10, wherein said

organic light-emitting layer consists of a single layer of a fluorescent material.

28. (Original): An organic electroluminescent element according to one of claims 11 to 16, wherein said organic light-emitting layer consists of a single layer of a fluorescent material.

29. (Original): An organic electroluminescent display using an organic electroluminescent element according to claim 10.

30. (Previously Presented): An organic electroluminescent display using an organic electroluminescent element according to one of claims 11 to 16.

31. (Original): An organic electroluminescent display using an organic electroluminescent element according to claim 18.

32. (Original): An organic electroluminescent display using an organic electroluminescent element according to claim 20.

33. (Original): An organic electroluminescent display using an organic electroluminescent element according to claim 22.

34. (Original): An organic electroluminescent display using an organic electroluminescent

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element according to claim 24.

35. (Original): An organic electroluminescent display using an organic electroluminescent element according to claim 26.

36. (Original): An organic electroluminescent display using an organic electroluminescent element according to claim 28.